

## ENSR International

1220 Avenida Acaso  
Camarillo, CA 93012-8738  
(805) 388-3775  
FAX (805) 388-3577  
www.ensr.com

April 5, 2002  
Project 01123-024  
Work Order No. 37.1, Document No.2

Mr. Dan Feger  
Burbank-Glendale-Pasadena Airport Authority  
2627 North Hollywood Way  
Burbank, California 91505

**Re: Environmental Summary – Former Building 360 Complex**

Dear Mr. Feger:

This report presents a history and summary of environmental information and data associated with the former Building 360 Complex of the Lockheed Plant B-6 site.

**Background**

The former Building 360 Complex is comprised of approximately 22 acres located at 7575 San Fernando Road in Los Angeles, California, see Figure 1 – Site Vicinity Map. The Building 360 Complex was part of a former 130-acre parcel known as the Lockheed Plant B-6 facility. The Building 360 Complex is located in the City of Los Angeles while the remainder of the former B-6 facility is located in the City of Burbank. Lockheed developed the B-6 facility in the early 1940s for aircraft research, manufacturing, and maintenance operations, primarily on behalf of the United States Department of Defense. Prior to 1941-1942 the majority of the B-6 facility site was undeveloped or used for dry land agriculture, such as grain crops, grazing and vineyards.

The B-6 site development included aircraft hangers, aircraft assembly and testing areas, maintenance areas, office space, and warehouses. The principal activity at the Building 360 Complex was engineering offices and some final aircraft assembly, however, other operations included research and development activities, minor subassembly work, aircraft testing, ground support, and flight operations. Some of these activities involved cleaning, painting, welding, and machining. Hazardous materials historically stored and used at the subject site included aircraft fuels, fuel oils, gasoline, solvents, metals, acids, caustics, adhesives, plastic resins, and hardeners.

The B-6 facility closed operations in 1993. In the summer of 2001, the buildings and foundations associated with the former Building 360 Complex were demolished and removed from the site. The Building 360 Complex property is currently a vacant lot comprised of soil, concrete paving, and asphalt paving.

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## **Environmental Assessment**

During the past decade, the former Lockheed Plant B-6 site has been the subject of several subsurface environmental assessments and remediation activities. In the early 1990's, Lockheed, in anticipation of vacating the property, conducted several environmental assessments. McLaren Hart conducted a comprehensive Phase I Environmental Site Assessment (ESA) on behalf of Lockheed in 1991 and 1992. Based on the results of the Phase I, Lockheed hired Tetra Tech Inc. to systematically conduct subsurface assessments in areas of concern. From approximately 1992 through 1996, Tetra Tech conducted several subsurface assessments and some soil remediation on the Plant B-6 facility site. The Los Angeles Regional Water Quality Control Board (RWQCB) was the regulatory agency responsible for oversight of environmental issues associated with the property and, as such, reviewed and approved all the Tetra Tech assessment and remediation work.

ENSR conducted an independent subsurface assessment of the Plant B-6 site on behalf of the Burbank-Glendale-Pasadena Airport Authority from 1996 through 1998. In addition, during demolition of the Building 360 Complex ENSR observed and sampled the subsurface soils immediately beneath the building slabs and foundations for any evidence of discoloration, staining, odor, and/or contamination. Shallow soil samples were collected beneath the slabs and foundations and screened for contamination with a photoionization detector (PID).

For the purposes of this report, ENSR has summarized the subsurface soil vapor and soil boring data collected for the various investigations of the Building 360 Complex. The results of these various assessment efforts are summarized below.

**Soil Vapor Results.** Tetra Tech and ENSR collected a total of 258 soil vapor samples from 180 soil vapor survey probes illustrated on Figure 2 - Soil Vapor Survey Locations. Soil vapor probes were installed on an average 60-foot interval over the site. The soil vapor samples collected by Tetra Tech were collected at depths of 6 feet on 100-foot centers. Subsequently, ENSR collected soil vapor samples at depths of 10 and 20 on staggered 100-foot centers. As a result of the staggering, vapor probe locations were installed on an average 60-foot grid over the entire site. At the time of the surveys, the vapor samples were analyzed on site for volatile organic compounds (VOC) in a mobile laboratory using EPA Method 8260.

A summary of the analytical results is presented in Table 1 - Soil Vapor Analytical Results. Only a few samples recorded the presence of VOCs at very low concentrations. Based on the relative absence of VOCs in the area, Table 1 presents the results as a summation of all VOC constituent concentrations for each sample, rather than as individual VOC concentrations. To further assist in a review of the data, Table 1 was sorted and truncated to develop a "hits only" listing of results; presented as Table 1A.



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The data indicate that out of the 258 samples collected, 212 samples recorded an absence of all VOC's. Of the 46 samples with a detection of VOCs, only 10 samples recorded concentrations greater than 10 micrograms per liter (ug/l); ranging from 11.5 ug/l to 52.3 ug/l.

**Soil Boring Results.** Tetra Tech and ENSR collected a total of 330 soil matrix samples from 37 soil boring explorations illustrated on Figure 3 – Soil Boring Locations. The soil borings were located randomly across the site and in areas where historic processes and/or operations may have resulted in an environmental impact to the subsurface. Soil samples were generally collected on 5-foot intervals by Tetra Tech and on 10-foot intervals by ENSR to depths ranging from 30 to 120 feet. The soil samples were analyzed for a combination of total petroleum hydrocarbons (TPH), volatile organic compounds (VOC), and in some cases, semi-volatile organic compounds (SVOC), polychlorinated biphenyl (PCB), and 17 CAM metals.

A summary of the analytical results is presented in Table 2 – Soil Boring Analytical Results. Again, based on the relative absence of VOCs in the area, and for simplicity, the results are not reported as individual VOC concentrations but as a summation of VOC concentrations for each sample. Similarly, the 17 CAM metals results were all consistent with background levels for the region and therefore, individual concentrations are not presented. To further assist in a review of the data, Table 2 was sorted and truncated to develop a "hits only" listing of results; presented as Table 2A.

The data indicate an absence of VOC and PCB in all samples collected. The 17 CAM metal results were all consistent with background levels for the region. One SVOC, bis (2-ethylhexyl) phthalate, was recorded at a concentration of 4,400 micrograms per kilogram (ug/kg) at a depth of 10 feet in Boring AFL-SB21. The presence of this single SVOC is inconsistent with any process or operation on the site and is likely a laboratory contaminant.

The data indicate that out of 330 soil matrix samples collected, 218 samples recorded an absence of TPH. Of the 112 samples with a detection of TPH, only 15 samples recorded concentrations greater than 100 milligrams per kilogram (mg/kg); ranging from 103 mg/kg to 345 mg/kg, with one sample recording a result at 1081 mg/kg at a depth of 2 feet in Boring AP33-SB05.

**PID Results.** ENSR collected a total of 35 shallow soil samples on 100-foot centers from an average depth of 12 inches beneath the former Building 360 Complex slabs and foundations. The location of these samples is illustrated on Figure 4 – PID Sample Locations. Headspace analysis of each sample was conducted for the presence of organic vapors using a MSA Passport PID equipped with a 10.2 eV lamp.

The results of organic vapor analysis (PID readings) of the 35 shallow soil samples are summarized on Table 3 – Photoionization Detector - Organic Vapor Results. Only two sample locations recorded concentrations greater than 1.0 part-per-million (ppm). Sample location No. 3

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recorded a reading of 1.8 ppm and sample location No. 4 recorded a reading of 2.0 ppm. All other samples were less than 1.0 ppm, with most locations recording a non-detected (ND) condition.

During slab and foundation demolition, some soil coloration differences were observed. These color changes were generally associated with different backfill materials used at the time of construction. No unusual odor was indicated and PID readings of the ambient air immediately above these locations did not record a measurable presence of organic vapors.

### **Regulatory Oversight**

The Los Angeles Regional Water Quality Control Board (LARWQCB) has been the regulatory agency responsible for oversight of environmental issues associated with the former Plant B-6 site. The LARWQCB systematically reviewed all the environmental data from the various assessments and remediation efforts, and issued "no further requirements" (NFR) letters for the site in 1996. These letters were issued per legal parcel. The former Building 360 Complex comprises parcels F and G. The letters are included as Attachment 1 - LARWQCB - NFA Letters.

### **Groundwater Condition**

The Building 360 Complex overlies the San Fernando Valley Groundwater basin, an aquifer which, prior to the discovery of contamination in the early 1980's, had provided drinking water to over 800,000 residents of the Cities of Los Angeles, Burbank, and Glendale, and the La Crescenta Water District. Depth to groundwater in this area is approximately 240 feet.

In 1980, concentrations of chlorinated volatile organic compounds (VOC), including trichloroethylene (TCE) and perchloroethylene (PCE) were found to be above Federal Maximum Contaminant Levels (MCLs) and State Action Levels (SALs) in many city production wells. Those solvents were widely used in a number of industries including aerospace and defense manufacturing, machinery degreasing, dry-cleaning, and metal plating.

In June 1986, EPA placed four well field sites in the San Fernando Valley on the National Priorities (NPL) list: the North Hollywood Superfund site (Area 1); the Crystal Springs Superfund site (Area 2); the Pollack Superfund Site (Area 3); and the Verdugo Superfund Site (Area 4). The Building 360 Complex is within the North Hollywood Superfund site (Area 1) and has been identified with the Burbank Operable Unit (OU) of that site.

In 1989, EPA issued a Record of Decision (ROD) prescribing an interim remedy for the North Hollywood Superfund site (Area 1). The remedy described in the ROD was modified by an Explanation of Significant Differences (ESD) in 1990 and a second ESD in 1997. The remedy consists of a groundwater extraction and treatment system, a blending system and delivery of the



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treated water to the public water supply. The interim remedy is required to operate for twenty years.

In 1992, EPA entered into a Consent Decree with Lockheed Martin, Weber Aircraft and the City of Burbank, that provided for the construction of the treatment system and operation and maintenance of them for two years. In 1998, a Second Consent Decree was entered into pursuant to which Lockheed Martin is primarily responsible for funding the operation and maintenance of the treatment system for the remaining 18 years. Groundwater is currently being remediated from the treatment system located approximately ½ mile down-gradient from the Building 360 Complex.

The above report, with included Tables and Figures summarize the environmental data and information for the Building 360 Complex. If you have any questions or require clarification on the above, please contact Mr. L. David Parker in ENSR's Camarillo, California office at 805-388-3775.

Sincerely,

A handwritten signature in black ink, appearing to read "L. David Parker".

L. David Parker  
Program Manager

Attachment 1 - LARWQCB - NFA Letters.



**TABLE 1**  
**Soil Vapor Analytical Results**  
**Former Building 360 Complex**

Vapor Probe No.	Sample Depth	Total Volatile Organic Compounds (ug/l in air)
ASG-001	6.0	ND
ASG-002	6.0	ND
ASG-003	6.0	ND
ASG-004	6.0	ND
ASG-005	6.0	ND
ASG-006	6.0	ND
ASG-007	6.0	ND
ASG-008	6.0	ND
ASG-009	6.0	ND
ASG-010	6.0	ND
ASG-011	6.0	ND
ASG-012	6.0	ND
ASG-013	6.0	ND
ASG-014	6.0	ND
ASG-015	6.0	ND
ASG-016	6.0	ND
ASG-017	6.0	ND
ASG-018	6.0	ND
ASG-019	6.0	ND
ASG-020	6.0	ND
ASG-021	6.0	ND
ASG-022	6.0	ND
ASG-023	6.0	ND
ASG-024	6.0	ND
ASG-025	6.0	ND
ASG-026	6.0	ND
ASG-027	6.0	ND
ASG-028	6.0	ND
ASG-029	6.0	ND
ASG-031	6.0	ND
ASG-032	6.0	1.3
ASG-033	6.0	1.0
ASG-034	6.0	ND
ASG-035	6.0	ND
ASG-036	6.0	ND
ASG-037	6.0	ND
ASG-038	6.0	ND
ASG-039	6.0	ND
ASG-040	6.0	ND
ASG-041	6.0	ND
ASG-044	6.0	ND
ASG-045	6.0	ND

**TABLE 1**  
**Soil Vapor Analytical Results**  
**Former Building 360 Complex**

Vapor Probe No.	Sample Depth	Total Volatile Organic Compounds (ug/l in air)
ASG-046	6.0	ND
ASG-047	6.0	ND
ASG-048	6.0	ND
ASG-049	6.0	ND
ASG-050	6.0	ND
ASG-051	6.0	ND
ASG-052	6.0	ND
ASG-053	6.0	ND
ASG-054	6.0	ND
ASG-055	6.0	2.0
ASG-056	6.0	ND
ASG-057	6.0	ND
ASG-058	6.0	ND
ASG-059	6.0	ND
ASG-060	6.0	ND
ASG-061	6.0	ND
ASG-062	6.0	ND
ASG-063	6.0	ND
ASG-064	6.0	ND
ASG-066	6.0	ND
ASG-067	6.0	ND
ASG-068	6.0	ND
ASG-069	6.0	ND
ASG-070	6.0	ND
ASG-071	6.0	ND
ASG-072	6.0	ND
ASG-073	6.0	ND
ASG-074	6.0	ND
ASG-075	6.0	ND
ASG-076	6.0	ND
ASG-077	6.0	1.1
ASG-078	6.0	2.7
ASG-079	6.0	ND
ASG-080	6.0	ND
ASG-081	6.0	ND
ASG-082	6.0	ND
ASG-083	6.0	ND
ASG-084	6.0	ND
ASG-085	6.0	ND
ASG-086	6.0	1.2
ASG-087	6.0	ND
ASG-088	6.0	4.4

**TABLE 1**  
**Soil Vapor Analytical Results**  
**Former Building 360 Complex**

Vapor Probe No.	Sample Depth	Total Volatile Organic Compounds (ug/l in air)
ASG-089	6.0	2.2
ASG-090	6.0	ND
ASG-091	6.0	ND
ASG-092	6.0	ND
ASG-093	6.0	ND
ASG-094	6.0	ND
ASG-095	6.0	ND
ASG-096	6.0	ND
ASG-097	6.0	1.2
ASG-098	6.0	1.3
ASG-099	6.0	4.5
ASG-100	6.0	2.8
ASG-101	6.0	ND
A2SG-001	6.0	1.6
A2SG-002	6.0	ND
A2SG-003	6.0	ND
A2SG-004	6.0	4.8
A2SG-005	6.0	ND
A2SG-005	18.0	2.3
A2SG-006	6.0	ND
A2SG-006	14.0	3.7
FSV-001	10.0	ND
FSV-001	20.0	ND
FSV-002	10.0	ND
FSV-002	20.0	ND
FSV-003	10.0	ND
FSV-003	20.0	ND
FSV-004	10.0	ND
FSV-004	20.0	ND
FSV-005	10.0	ND
FSV-005	20.0	ND
FSV-006	10.0	ND
FSV-006	20.0	ND
FSV-007	10.0	ND
FSV-007	20.0	ND
FSV-008	10.0	ND
FSV-008	20.0	ND
FSV-009	10.0	ND
FSV-009	20.0	ND
FSV-010	10.0	ND
FSV-010	20.0	ND
FSV-011	10.0	ND

**TABLE 1**  
**Soil Vapor Analytical Results**  
**Former Building 360 Complex**

Vapor Probe No.	Sample Depth	Total Volatile Organic Compounds (ug/l in air)
FSV-011	20.0	ND
FSV-012	10.0	ND
FSV-012	20.0	ND
FSV-013	10.0	ND
FSV-013	20.0	ND
FSV-014	10.0	5.6
FSV-014	20.0	5.9
GSV-001	10.0	ND
GSV-001	20.0	ND
GSV-002	10.0	ND
GSV-002	20.0	ND
GSV-003	10.0	ND
GSV-003	20.0	ND
GSV-004	10.0	ND
GSV-004	20.0	ND
GSV-005	10.0	ND
GSV-005	20.0	ND
GSV-007	10.0	1.1
GSV-007	20.0	2.9
GSV-008	10.0	ND
GSV-008	20.0	ND
GSV-009	10.0	ND
GSV-009	20.0	ND
GSV-010	10.0	ND
GSV-010	20.0	ND
GSV-011	10.0	ND
GSV-011	20.0	ND
GSV-012	10.0	ND
GSV-012	20.0	ND
GSV-013	10.0	ND
GSV-013	20.0	ND
GSV-016	10.0	ND
GSV-016	20.0	ND
GSV-017	10.0	ND
GSV-017	20.0	3.4
GSV-018	10.0	ND
GSV-018	20.0	ND
GSV-019	10.0	ND
GSV-019	20.0	ND
GSV-021	10.0	ND
GSV-021	20.0	ND
GSV-025	10.0	4.7

**TABLE 1**  
**Soil Vapor Analytical Results**  
**Former Building 360 Complex**

Vapor Probe No.	Sample Depth	Total Volatile Organic Compounds (ug/l in air)
GSV-025	20.0	8.7
GSV-026	10.0	1.1
GSV-026	20.0	4.4
GSV-027	10.0	ND
GSV-027	20.0	ND
GSV-028	10.0	ND
GSV-028	20.0	ND
GSV-029	10.0	ND
GSV-029	20.0	ND
GSV-030	10.0	ND
GSV-030	20.0	ND
GSV-031	10.0	ND
GSV-032	10.0	ND
GSV-032	20.0	ND
GSV-033	10.0	ND
GSV-033	20.0	ND
GSV-035	10.0	17.3
GSV-035	20.0	17.0
GSV-036	10.0	ND
GSV-036	20.0	ND
GSV-037	10.0	ND
GSV-037	20.0	ND
GSV-038	10.0	ND
GSV-038	20.0	1.3
GSV-039	10.0	ND
GSV-039	20.0	2.0
GSV-040	10.0	ND
GSV-040	20.0	ND
GSV-041	10.0	ND
GSV-041	20.0	ND
GSV-042	10.0	1.4
GSV-042	20.0	ND
GSV-043	10.0	14.0
GSV-043	20.0	3.1
GSV-044	10.0	1.1
GSV-044	20.0	1.8
GSV-045	10.0	ND
GSV-045	20.0	ND
GSV-046	10.0	ND
GSV-046	20.0	2.4
GSV-047	10.0	3.2
GSV-047	20.0	3.8

**TABLE 1**  
**Soil Vapor Analytical Results**  
**Former Building 360 Complex**

Vapor Probe No.	Sample Depth	Total Volatile Organic Compounds (ug/l in air)
GSV-048	10.0	4.6
GSV-048	20.0	6.4
GSV-049	10.0	1.3
GSV-049	20.0	1.6
GSV-050	10.0	ND
GSV-050	20.0	5.8
GSV-051	10.0	4.7
GSV-051	20.0	6.2
GSV-052	10.0	ND
GSV-052	20.0	3.0
GSV-053	10.0	1.4
GSV-053	20.0	4.3
GSV-054	10.0	1.2
GSV-054	20.0	3.3
GSV-055	10.0	2.2
GSV-055	20.0	ND
GSV-056	10.0	1.5
GSV-056	20.0	3.6
GSV-058	10.0	ND
GSV-058	20.0	12.0
GSV-059	10.0	52.3
GSV-059	20.0	22.4
GSV-060	10.0	ND
GSV-060	20.0	1.9
GSV-061	10.0	ND
GSV-061	20.0	ND
GSV-062	10.0	ND
GSV-062	20.0	ND
GSV-063	10.0	ND
GSV-063	20.0	ND
GSV-064	10.0	ND
GSV-064	20.0	2.5
GSV-065	10.0	ND
GSV-065	20.0	7.1
GSV-066	10.0	11.5
GSV-066	20.0	13.0
GSV-067	10.0	37.4
GSV-067	20.0	30.0
GSV-068	10.0	ND
GSV-068	20.0	ND
GSV-069	10.0	ND
GSV-069	20.0	ND

**TABLE 1**  
**Soil Vapor Analytical Results**  
**Former Building 360 Complex**

Vapor Probe No.	Sample Depth	Total Volatile Organic Compounds (ug/l in air)
GSV-070	10.0	ND
GSV-070	20.0	ND
GSV-071	10.0	ND
GSV-071	20.0	ND
GSV-072	10.0	2.9
GSV-072	20.0	ND
<b>NOTES:</b>		
ND = indicates a non-detected concentration		

**TABLE 1A - HITS ONLY**  
**Soil Vapor Analytical Results**  
**Former Building 360 Complex**

Vapor Probe No.	Sample Depth	Total Volatile Organic Compounds (ug/l in air)
GSV-059	10.0	52.3
GSV-067	10.0	37.4
GSV-067	20.0	30.0
GSV-059	20.0	22.4
GSV-035	10.0	17.3
GSV-035	20.0	17.0
GSV-043	10.0	14.0
GSV-066	20.0	13.0
GSV-058	20.0	12.0
GSV-066	10.0	11.5
GSV-025	20.0	8.7
GSV-065	20.0	7.1
GSV-048	20.0	6.4
GSV-051	20.0	6.2
FSV-014	20.0	5.9
GSV-050	20.0	5.8
FSV-014	10.0	5.6
A2SG-004	6.0	4.8
GSV-025	10.0	4.7
GSV-051	10.0	4.7
GSV-048	10.0	4.6
ASG-099	6.0	4.5
ASG-088	6.0	4.4
GSV-026	20.0	4.4
GSV-053	20.0	4.3
GSV-047	20.0	3.8
A2SG-006	14.0	3.7
GSV-056	20.0	3.6
GSV-017	20.0	3.4
GSV-054	20.0	3.3
GSV-047	10.0	3.2
GSV-043	20.0	3.1
GSV-052	20.0	3.0
GSV-007	20.0	2.9
GSV-072	10.0	2.9
ASG-100	6.0	2.8
ASG-078	6.0	2.7
GSV-064	20.0	2.5
GSV-046	20.0	2.4
A2SG-005	18.0	2.3
ASG-089	6.0	2.2
GSV-055	10.0	2.2

**TABLE 1A - HITS ONLY**  
**Soil Vapor Analytical Results**  
**Former Building 360 Complex**

Vapor Probe No.	Sample Depth	Total Volatile Organic Compounds (ug/l in air)
ASG-055	6.0	2.0
GSV-039	20.0	2.0
GSV-060	20.0	1.9
GSV-044	20.0	1.8
A2SG-001	6.0	1.6
GSV-049	20.0	1.6
GSV-056	10.0	1.5
GSV-042	10.0	1.4
GSV-053	10.0	1.4
ASG-032	6.0	1.3
ASG-098	6.0	1.3
GSV-038	20.0	1.3
GSV-049	10.0	1.3
ASG-086	6.0	1.2
ASG-097	6.0	1.2
GSV-054	10.0	1.2
ASG-077	6.0	1.1
GSV-007	10.0	1.1
GSV-026	10.0	1.1
GSV-044	10.0	1.1
ASG-033	6.0	1.0

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
A360-SB12	2	ND	ND	ND	ND	ND
A360-SB12	5	NS	NS	NS	NS	NS
A360-SB12	10	ND	ND	ND	ND	ND
A360-SB12	15	ND	ND	--	--	--
A360-SB12	20	ND	ND	--	--	--
A360-SB12	25	ND	ND	--	--	--
A360-SB12	30	ND	ND	--	--	--
A360-SB13	2	ND	ND	ND	ND	ND
A360-SB13	5	ND	ND	ND	ND	ND
A360-SB13	10	ND	ND	ND	ND	ND
A360-SB13	15	ND	ND	--	--	--
A360-SB13	20	ND	ND	--	--	--
A360-SB13	25	ND	ND	--	--	--
A360-SB13	30	ND	ND	--	--	--
A360-SB16	2	16	ND	ND	ND	ND
A360-SB16	5	41	ND	ND	ND	ND
A360-SB16	10	29	ND	ND	ND	ND
A360-SB16	15	8	ND	--	--	--
A360-SB16	20	6	ND	--	--	--
A360-SB16	25	ND	ND	--	--	--
A360-SB16	30	ND	ND	--	--	--
A360-SB16	35	ND	ND	--	--	--
A360-SB16	40	8	ND	--	--	--
A360-SB16	45	8	ND	--	--	--
A360-SB16	50	11	ND	--	--	--
A360-SB16	55	ND	ND	--	--	--
A360-SB16	60	13	ND	--	--	--
A360-SB17	2	ND	ND	ND	ND	ND

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
A360-SB17	5	57	ND	ND	ND	ND
A360-SB17	10	ND	ND	ND	ND	ND
A360-SB17	15	42	ND	--	--	--
A360-SB17	20	5	ND	--	--	--
A360-SB17	25	ND	ND	--	--	--
A360-SB17	30	82	ND	--	--	--
A360-SB17	35	29	ND	--	--	--
A360-SB17	40	8	ND	--	--	--
A360-SB17	45	6	ND	--	--	--
A360-SB17	50	ND	ND	--	--	--
A360-SB17	55	NS	NS	NS	NS	NS
A360-SB17	60	ND	ND	--	--	--
A360-SB18	2	18	ND	ND	ND	ND
A360-SB18	5	7	ND	ND	ND	ND
A360-SB18	10	ND	ND	ND	ND	ND
A360-SB18	15	7	ND	--	--	--
A360-SB18	20	ND	ND	--	--	--
A360-SB18	25	ND	ND	--	--	--
A360-SB18	30	ND	ND	--	--	--
A360-SB19	2	90	ND	ND	ND	ND
A360-SB19	5	ND	ND	ND	ND	ND
A360-SB19	10	18	ND	ND	ND	ND
A360-SB19	15	11	ND	--	--	--
A360-SB19	20	6	ND	--	--	--
A360-SB19	25	10	ND	--	--	--
A360-SB19	30	12	ND	--	--	--
A360-SB27	2	13	ND	ND	ND	ND
A360-SB27	5	ND	ND	ND	ND	ND

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
A360-SB27	10	15	ND	ND	ND	ND
A360-SB27	15	5	ND	--	--	--
A360-SB27	20	ND	ND	--	--	--
A360-SB27	25	ND	ND	--	--	--
A360-SB27	30	ND	ND	--	--	--
A360-SB28	25	25	ND	--	--	--
A360-SB28	30	17	ND	--	--	--
A360-SB29	2	ND	ND	ND	ND	ND
A360-SB29	5	20	ND	ND	ND	ND
A360-SB29	10	ND	ND	ND	ND	ND
A360-SB29	15	ND	ND	--	--	--
A360-SB29	20	NS	NS	NS	NS	NS
A360-SB29	25	ND	ND	--	--	--
A360-SB29	30	ND	ND	--	--	--
A360-SB29	35	ND	ND	--	--	--
A360-SB29	40	ND	ND	--	--	--
A360-SB29	45	ND	ND	--	--	--
A360-SB29	50	ND	ND	--	--	--
A360-SB29	55	ND	ND	--	--	--
A360-SB29	60	ND	ND	--	--	--
A362-SB01	2	317	ND	ND	ND	ND
A362-SB01	5	121	ND	ND	ND	ND
A362-SB01	10	16	ND	ND	ND	ND
A362-SB01	15	NS	NS	NS	NS	NS
A362-SB01	20	ND	ND	--	--	--
A362-SB01	25	8	ND	--	--	--
A362-SB01	30	7	ND	--	--	--
A362-SB01	35	ND	ND	--	--	--

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
A362-SB01	40	10	ND	--	--	--
A362-SB01	45	ND	ND	--	--	--
A362-SB01	50	7	ND	--	--	--
A362-SB01	55	10	ND	--	--	--
A362-SB01	60	ND	ND	--	--	--
A362-SB02	2	66	ND	ND	ND	ND
A362-SB02	5	116	ND	ND	ND	ND
A362-SB02	10	53	ND	ND	ND	ND
A362-SB02	15	12	ND	--	--	--
A362-SB02	20	6	ND	--	--	--
A362-SB02	25	7	ND	--	--	--
A362-SB02	30	ND	ND	--	--	--
A362-SB02	35	ND	ND	--	--	--
A362-SB02	40	5	ND	--	--	--
A362-SB02	45	ND	ND	--	--	--
A362-SB02	50	7	ND	--	--	--
A362-SB02	55	ND	ND	--	--	--
A362-SB02	60	6	ND	--	--	--
A362-SB03	2	13	ND	ND	ND	ND
A362-SB03	5	NS	NS	NS	NS	NS
A362-SB03	10	ND	ND	ND	ND	ND
A362-SB03	15	NS	NS	NS	NS	NS
A362-SB03	20	6	ND	--	--	--
A362-SB03	25	ND	ND	--	--	--
A362-SB03	30	8	ND	--	--	--
A362-SB03	35	ND	ND	--	--	--
A362-SB03	40	NS	NS	NS	NS	NS
A362-SB03	45	ND	ND	--	--	--

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
A362-SB03	50	NS	NS	NS	NS	NS
A362-SB03	55	NS	NS	NS	NS	NS
A362-SB03	60	10	ND	--	--	--
A364-SB26	2	ND	ND	ND	ND	ND
A364-SB26	5	6	ND	ND	ND	ND
A364-SB26	10	71	ND	ND	ND	ND
A364-SB26	15	ND	ND	--	--	--
A364-SB26	20	9	ND	--	--	--
A364-SB26	25	ND	ND	--	--	--
A364-SB26	30	7	ND	--	--	--
A365-SB22	2	224	ND	ND	ND	ND
A365-SB22	5	249	ND	ND	ND	ND
A365-SB22	10	8	ND	ND	ND	ND
A365-SB22	15	ND	ND	--	--	--
A365-SB22	20	ND	ND	--	--	--
A365-SB22	25	32	ND	--	--	--
A365-SB22	30	ND	ND	--	--	--
A365-SB23	2	103	ND	ND	ND	ND
A365-SB23	5	ND	ND	ND	ND	ND
A365-SB23	10	NS	NS	NS	NS	NS
A365-SB23	15	6	ND	--	--	--
AFL-SB14	2	60	ND	ND	ND	ND
AFL-SB14	5	9	ND	ND	ND	ND
AFL-SB14	10	ND	ND	ND	ND	ND
AFL-SB14	15	ND	ND	--	--	--
AFL-SB14	20	ND	ND	--	--	--
AFL-SB14	25	ND	ND	--	--	--
AFL-SB14	30	ND	ND	--	--	--

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
AFL-SB15	2	7	ND	ND	ND	ND
AFL-SB15	5	NS	NS	NS	NS	NS
AFL-SB15	10	148	ND	ND	ND	ND
AFL-SB15	15	NS	NS	NS	NS	NS
AFL-SB15	20	ND	ND	--	--	--
AFL-SB15	25	ND	ND	--	--	--
AFL-SB15	30	ND	ND	--	--	--
AFL-SB15	35	ND	ND	--	--	--
AFL-SB15	40	7	ND	--	--	--
AFL-SB15	45	ND	ND	--	--	--
AFL-SB15	50	ND	ND	--	--	--
AFL-SB15	55	ND	ND	--	--	--
AFL-SB15	60	ND	ND	--	--	--
AFL-SB20	2	252	ND	ND	ND	ND
AFL-SB20	5	25	ND	ND	ND	ND
AFL-SB20	10	23	ND	ND	ND	ND
AFL-SB20	15	ND	ND	--	--	--
AFL-SB20	20	13	ND	--	--	--
AFL-SB20	25	ND	ND	--	--	--
AFL-SB20	30	12	ND	--	--	--
AFL-SB21	2	35	ND	ND	ND	ND
AFL-SB21	5	ND	ND	ND	ND	ND
AFL-SB21	10	10	ND	4400*	ND	ND
AFL-SB21	15	ND	ND	--	--	--
AFL-SB21	20	ND	ND	--	--	--
AFL-SB21	25	ND	ND	--	--	--
AFL-SB21	30	ND	ND	--	--	--
AFL-SB24	2	ND	ND	ND	ND	ND

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
AFL-SB24	5	ND	ND	ND	ND	ND
AFL-SB24	10	10	ND	ND	ND	ND
AFL-SB24	15	NS	NS	NS	NS	NS
AFL-SB24	20	ND	ND	--	--	--
AFL-SB24	25	ND	ND	--	--	--
AFL-SB24	30	ND	ND	--	--	--
AFL-SB24	35	ND	ND	--	--	--
AFL-SB24	40	ND	ND	--	--	--
AFL-SB24	45	ND	ND	--	--	--
AFL-SB24	50	ND	ND	--	--	--
AFL-SB24	55	ND	ND	--	--	--
AFL-SB24	60	ND	ND	--	--	--
AFL-SB25	2	18	ND	ND	ND	ND
AFL-SB25	5	42	ND	ND	ND	ND
AFL-SB25	10	43	ND	ND	ND	ND
AFL-SB25	15	8	ND	--	--	--
AFL-SB25	20	ND	ND	--	--	--
AFL-SB25	25	7	ND	--	--	--
AFL-SB25	30	7	ND	--	--	--
AFL-SB25	35	ND	ND	--	--	--
AFL-SB25	40	7	ND	--	--	--
AFL-SB25	45	8	ND	--	--	--
AFL-SB25	50	11	ND	--	--	--
AFL-SB25	55	9	ND	--	--	--
AFL-SB25	60	7	ND	--	--	--
AP32-SB04	2	154	ND	ND	ND	ND
AP32-SB04	5	40	ND	ND	ND	ND
AP32-SB04	10	9	ND	ND	ND	ND

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
AP32-SB04	15	7	ND	--	--	--
AP32-SB04	20	ND	ND	--	--	--
AP32-SB04	25	6	ND	--	--	--
AP32-SB04	30	ND	ND	--	--	--
AP32-SB04	35	ND	ND	--	--	--
AP32-SB04	40	ND	ND	--	--	--
AP32-SB04	45	5	ND	--	--	--
AP32-SB04	50	6	ND	--	--	--
AP32-SB04	55	ND	ND	--	--	--
AP32-SB04	60	ND	ND	--	--	--
AP32-SB11	2	206	ND	ND	ND	ND
AP32-SB11	5	345	ND	ND	ND	ND
AP32-SB11	10	12	ND	ND	ND	ND
AP32-SB11	15	ND	ND	--	--	--
AP32-SB11	20	NS	NS	NS	NS	NS
AP32-SB11	25	ND	ND	--	--	--
AP32-SB11	30	ND	ND	--	--	--
AP32-SB11	35	7	ND	--	--	--
AP32-SB11	40	5	ND	--	--	--
AP32-SB11	45	ND	ND	--	--	--
AP32-SB11	50	ND	ND	--	--	--
AP32-SB11	55	ND	ND	--	--	--
AP32-SB11	60	ND	ND	--	--	--
AP33-SB05	2	1081	ND	ND	ND	ND
AP33-SB05	5	123	ND	ND	ND	ND
AP33-SB05	10	NS	NS	NS	NS	NS
AP33-SB05	15	ND	ND	--	--	--
AP33-SB05	20	ND	ND	--	--	--

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
AP33-SB05	25	ND	ND	--	--	--
AP33-SB05	30	ND	ND	--	--	--
AP33-SB06	2	31	ND	ND	ND	ND
AP33-SB06	5	ND	ND	ND	ND	ND
AP33-SB06	10	11	ND	ND	ND	ND
AP33-SB06	15	ND	ND	--	--	--
AP33-SB06	20	ND	ND	--	--	--
AP33-SB06	25	ND	ND	--	--	--
AP33-SB06	30	ND	ND	--	--	--
AP33-SB06	35	ND	ND	--	--	--
AP33-SB06	40	ND	ND	--	--	--
AP33-SB06	45	ND	ND	--	--	--
AP33-SB06	50	ND	ND	--	--	--
AP33-SB06	55	ND	ND	--	--	--
AP33-SB06	60	ND	ND	--	--	--
AP33-SB07	2	ND	ND	ND	ND	ND
AP33-SB07	5	ND	ND	ND	ND	ND
AP33-SB07	10	ND	ND	ND	ND	ND
AP33-SB07	15	ND	ND	--	--	--
AP33-SB07	20	ND	ND	--	--	--
AP33-SB07	25	NS	NS	NS	NS	NS
AP33-SB07	30	ND	ND	--	--	--
AP33-SB07	35	ND	ND	--	--	--
AP33-SB07	40	ND	ND	--	--	--
AP33-SB07	45	ND	ND	--	--	--
AP33-SB07	50	ND	ND	--	--	--
AP33-SB07	55	29	ND	--	--	--
AP33-SB07	60	ND	ND	--	--	--

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
AP33-SB08	2	7	ND	ND	ND	ND
AP33-SB08	5	ND	ND	ND	ND	ND
AP33-SB08	10	ND	ND	ND	ND	ND
AP33-SB08	15	ND	ND	--	--	--
AP33-SB08	20	ND	ND	--	--	--
AP33-SB08	25	ND	ND	--	--	--
AP33-SB08	30	ND	ND	--	--	--
AP33-SB09	2	285	ND	ND	ND	ND
AP33-SB09	5	15	ND	ND	ND	ND
AP33-SB09	10	NS	NS	NS	NS	NS
AP33-SB09	15	NS	NS	NS	NS	NS
AP33-SB09	20	ND	ND	--	--	--
AP33-SB09	25	ND	ND	--	--	--
AP33-SB09	30	ND	ND	--	--	--
AP33-SB09	35	ND	ND	--	--	--
AP33-SB09	40	ND	ND	--	--	--
AP33-SB09	45	ND	ND	--	--	--
AP33-SB09	50	ND	ND	--	--	--
AP33-SB09	55	ND	ND	--	--	--
AP33-SB09	60	ND	ND	--	--	--
AP33-SB10	2	ND	ND	ND	ND	ND
AP33-SB10	5	214	ND	ND	ND	ND
AP33-SB10	10	5	ND	ND	ND	ND
AP33-SB10	15	15	ND	--	--	--
AP33-SB10	20	ND	ND	--	--	--
AP33-SB10	25	8	ND	--	--	--
AP33-SB10	30	ND	ND	--	--	--
AP33-SB10	35	ND	ND	--	--	--

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
AP33-SB10	40	ND	ND	--	--	--
AP33-SB10	45	ND	ND	--	--	--
AP33-SB10	50	9	ND	--	--	--
AP33-SB10	55	ND	ND	--	--	--
AP33-SB10	60	10	ND	--	--	--
GSB-04	2	ND	ND	--	--	--
GSB-04	10	ND	ND	--	--	--
GSB-04	20	ND	ND	--	--	--
GSB-04	50	ND	ND	--	--	--
GSB-04	70	ND	ND	--	--	--
GSB-04	80	ND	ND	--	--	--
GSB-04	100	ND	ND	--	--	--
GSB-04	2	ND	ND	--	--	--
GSB-06	10	ND	ND	--	--	--
GSB-06	20	ND	ND	--	--	--
GSB-06	30	ND	ND	--	--	--
GSB-06	40	ND	ND	--	--	--
GSB-06	50	ND	ND	--	--	--
GSB-06	60	ND	ND	--	--	--
GSB-06	70	ND	ND	--	--	--
GSB-06	80	ND	ND	--	--	--
GSB-09	2	ND	ND	--	--	--
GSB-09	10	ND	ND	--	--	--
GSB-09	20	ND	ND	--	--	--
GSB-09	30	ND	ND	--	--	--
GSB-09	40	ND	ND	--	--	--
GSB-09	50	ND	ND	--	--	--
GSB-09	80	ND	ND	--	--	--

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
GSB-10	2	ND	ND	--	--	--
GSB-10	10	ND	ND	--	--	--
GSB-10	30	ND	ND	--	--	--
GSB-10	40	ND	ND	--	--	--
GSB-10	50	ND	ND	--	--	--
GSB-10	70	ND	ND	--	--	--
GSB-10	80	ND	ND	--	--	--
GSB-15	10	ND	ND	--	--	--
GSB-15	20	ND	ND	--	--	--
GSB-15	30	ND	ND	--	--	--
GSB-15	40	ND	ND	--	--	--
GSB-15	50	ND	ND	--	--	--
GSB-15	60	ND	ND	--	--	--
GSB-15	70	ND	ND	--	--	--
GSB-15	80	ND	ND	--	--	--
GSB-23	2	ND	ND	--	--	--
GSB-23	10	ND	ND	--	--	--
GSB-23	20	ND	ND	--	--	--
GSB-23	30	ND	ND	--	--	--
GSB-23	40	ND	ND	--	--	--
GSB-23	50	ND	ND	--	--	--
GSB-23	60	ND	ND	--	--	--
GSB-23	70	ND	ND	--	--	--
GSB-23	80	ND	ND	--	--	--
GSB-23	90	ND	ND	--	--	--
GSB-23	100	ND	ND	--	--	--
GSB-23	110	ND	ND	--	--	--
GSB-23	120	ND	ND	--	--	--

**TABLE 2**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
GSB-24	2	ND	ND	--	--	--
GSB-24	10	ND	ND	--	--	ND
GSB-24	30	ND	ND	--	--	ND
GSB-24	40	ND	ND	--	--	ND
GSB-24	50	ND	ND	--	--	--
GSB-24	60	ND	ND	--	--	--
GSB-25	2	ND	ND	--	--	ND
GSB-25	10	ND	ND	--	--	ND
GSB-25	20	ND	ND	--	--	ND
GSB-25	30	ND	ND	--	--	ND
GSB-25	50	ND	ND	--	--	--
GSB-25	60	ND	ND	--	--	--
GSB-25	80	ND	ND	--	--	--
<b>NOTES:</b>						
ND = indicates a non-detected concentration within the Practical Quantitative Limit (PQL) for the analytical method						
NS = Sample not collected						
(--)= Sample not analyzed						
4400* = concentration of bis (2-ethylhexyl) phthalate						

**TABLE 2A - HITS ONLY**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
AP33-SB05	2	1081	ND	ND	ND	ND
AP32-SB11	5	345	ND	ND	ND	ND
A362-SB01	2	317	ND	ND	ND	ND
AP33-SB09	2	285	ND	ND	ND	ND
AFL-SB20	2	252	ND	ND	ND	ND
A365-SB22	5	249	ND	ND	ND	ND
A365-SB22	2	224	ND	ND	ND	ND
AP33-SB10	5	214	ND	ND	ND	ND
AP32-SB11	2	206	ND	ND	ND	ND
AP32-SB04	2	154	ND	ND	ND	ND
AFL-SB15	10	148	ND	ND	ND	ND
AP33-SB05	5	123	ND	ND	ND	ND
A362-SB01	5	121	ND	ND	ND	ND
A362-SB02	5	116	ND	ND	ND	ND
A365-SB23	2	103	ND	ND	ND	ND
A360-SB19	2	90	ND	ND	ND	ND
A360-SB17	30	82	ND	--	--	--
A364-SB26	10	71	ND	ND	ND	ND
A362-SB02	2	66	ND	ND	ND	ND
AFL-SB14	2	60	ND	ND	ND	ND
A360-SB17	5	57	ND	ND	ND	ND
A362-SB02	10	53	ND	ND	ND	ND
AFL-SB25	10	43	ND	ND	ND	ND
A360-SB17	15	42	ND	--	--	--
AFL-SB25	5	42	ND	ND	ND	ND
A360-SB16	5	41	ND	ND	ND	ND
AP32-SB04	5	40	ND	ND	ND	ND

**TABLE 2A - HITS ONLY**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
AFL-SB21	2	35	ND	ND	ND	ND
A365-SB22	25	32	ND	--	--	--
AP33-SB06	2	31	ND	ND	ND	ND
A360-SB16	10	29	ND	ND	ND	ND
A360-SB17	35	29	ND	--	--	--
AP33-SB07	55	29	ND	--	--	--
A360-SB28	25	25	ND	--	--	--
AFL-SB20	5	25	ND	ND	ND	ND
AFL-SB20	10	23	ND	ND	ND	ND
A360-SB29	5	20	ND	ND	ND	ND
A360-SB18	2	18	ND	ND	ND	ND
A360-SB19	10	18	ND	ND	ND	ND
AFL-SB25	2	18	ND	ND	ND	ND
A360-SB28	30	17	ND	--	--	--
A360-SB16	2	16	ND	ND	ND	ND
A362-SB01	10	16	ND	ND	ND	ND
A360-SB27	10	15	ND	ND	ND	ND
AP33-SB09	5	15	ND	ND	ND	ND
AP33-SB10	15	15	ND	--	--	--
A360-SB16	60	13	ND	--	--	--
A360-SB27	2	13	ND	ND	ND	ND
A362-SB03	2	13	ND	ND	ND	ND
AFL-SB20	20	13	ND	--	--	--
A360-SB19	30	12	ND	--	--	--
A362-SB02	15	12	ND	--	--	--
AFL-SB20	30	12	ND	--	--	--
AP32-SB11	10	12	ND	ND	ND	ND

**TABLE 2A - HITS ONLY**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
A360-SB16	50	11	ND	--	--	--
A360-SB19	15	11	ND	--	--	--
AFL-SB25	50	11	ND	--	--	--
AP33-SB06	10	11	ND	ND	ND	ND
A360-SB19	25	10	ND	--	--	--
A362-SB01	40	10	ND	--	--	--
A362-SB01	55	10	ND	--	--	--
A362-SB03	60	10	ND	--	--	--
AFL-SB21	10	10	ND	4400*	ND	ND
AFL-SB24	10	10	ND	ND	ND	ND
AP33-SB10	60	10	ND	--	--	--
A364-SB26	20	9	ND	--	--	--
AFL-SB14	5	9	ND	ND	ND	ND
AFL-SB25	55	9	ND	--	--	--
AP32-SB04	10	9	ND	ND	ND	ND
AP33-SB10	50	9	ND	--	--	--
A360-SB16	15	8	ND	--	--	--
A360-SB16	40	8	ND	--	--	--
A360-SB16	45	8	ND	--	--	--
A360-SB17	40	8	ND	--	--	--
A362-SB01	25	8	ND	--	--	--
A362-SB03	30	8	ND	--	--	--
A365-SB22	10	8	ND	ND	ND	ND
AFL-SB25	15	8	ND	--	--	--
AFL-SB25	45	8	ND	--	--	--
AP33-SB10	25	8	ND	--	--	--
A360-SB18	5	7	ND	ND	ND	ND

**TABLE 2A - HITS ONLY**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
A360-SB18	15	7	ND	--	--	--
A362-SB01	30	7	ND	--	--	--
A362-SB01	50	7	ND	--	--	--
A362-SB02	25	7	ND	--	--	--
A362-SB02	50	7	ND	--	--	--
A364-SB26	30	7	ND	--	--	--
AFL-SB15	2	7	ND	ND	ND	ND
AFL-SB15	40	7	ND	--	--	--
AFL-SB25	25	7	ND	--	--	--
AFL-SB25	30	7	ND	--	--	--
AFL-SB25	40	7	ND	--	--	--
AFL-SB25	60	7	ND	--	--	--
AP32-SB04	15	7	ND	--	--	--
AP32-SB11	35	7	ND	--	--	--
AP33-SB08	2	7	ND	ND	ND	ND
A360-SB16	20	6	ND	--	--	--
A360-SB17	45	6	ND	--	--	--
A360-SB19	20	6	ND	--	--	--
A362-SB02	20	6	ND	--	--	--
A362-SB02	60	6	ND	--	--	--
A362-SB03	20	6	ND	--	--	--
A364-SB26	5	6	ND	ND	ND	ND
A365-SB23	15	6	ND	--	--	--
AP32-SB04	25	6	ND	--	--	--
AP32-SB04	50	6	ND	--	--	--
A360-SB17	20	5	ND	--	--	--
A360-SB27	15	5	ND	--	--	--

**TABLE 2A - HITS ONLY**  
**Soil Boring Analytical Results**  
**Former Building 360 Complex**

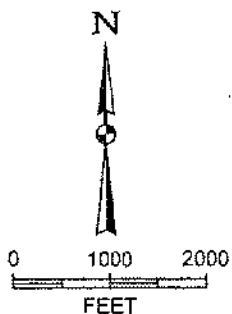
Boring No.	Sample Depth	Total Petroleum Hydrocarbon, (mg/kg)	Volatile Organic Compounds (ug/kg)	Semi-Volatile Organic Compounds (ug/kg)	Polychlorinated Biphenyl (ug/kg)	17 CAM Metals (mg/kg)
A362-SB02	40	5	ND	--	--	--
AP32-SB04	45	5	ND	--	--	--
AP32-SB11	40	5	ND	--	--	--
AP33-SB10	10	5	ND	ND	ND	ND
<b>NOTES:</b>						
ND = indicates a non-detected concentration within the Practical Quantitative Limit (PQL) for the analytical method						
(--)= Sample not analyzed						
4400* = concentration of bis (2-ethylhexyl) phthalate						

**TABLE 3**  
**Photoionization Detector**  
**Organic Vapor Results**  
**Former Building 360 Complex**

Sample Number	Sample Depth	Photoionization Detector Reading (ppm)
1	1.0	0.1
2	1.0	0.6
3	1.0	1.8
4	1.0	2.0
5	1.0	0.8
6	1.0	0.6
7	1.0	0.2
8	1.0	ND
9	1.0	ND
10	1.0	ND
11	1.0	ND
12	1.0	ND
13	1.0	ND
14	1.0	ND
15	1.0	ND
16	1.0	ND
17	1.0	0.6
18	1.0	0.6
19	1.0	ND
20	1.0	ND
21	1.0	ND
22	1.0	ND
23	1.0	ND
24	1.0	ND
25	1.0	ND
26	1.0	ND
27	1.0	ND
28	1.0	ND
29	1.0	ND
30	1.0	ND
31	1.0	ND
32	1.0	ND
33	1.0	ND
34	1.0	ND
35	1.0	ND



BASE MAP: USGS 7.5' Quadrangle, Burbank, California (photorevised 1972)



**ENSR**

FIGURE 1  
**SITE VICINITY MAP**

Burbank-Glendale-Pasadena Airport  
Burbank, California

Figure Name: 1123019a.ds4

Date: 9/28/01

Project Number

1123-019

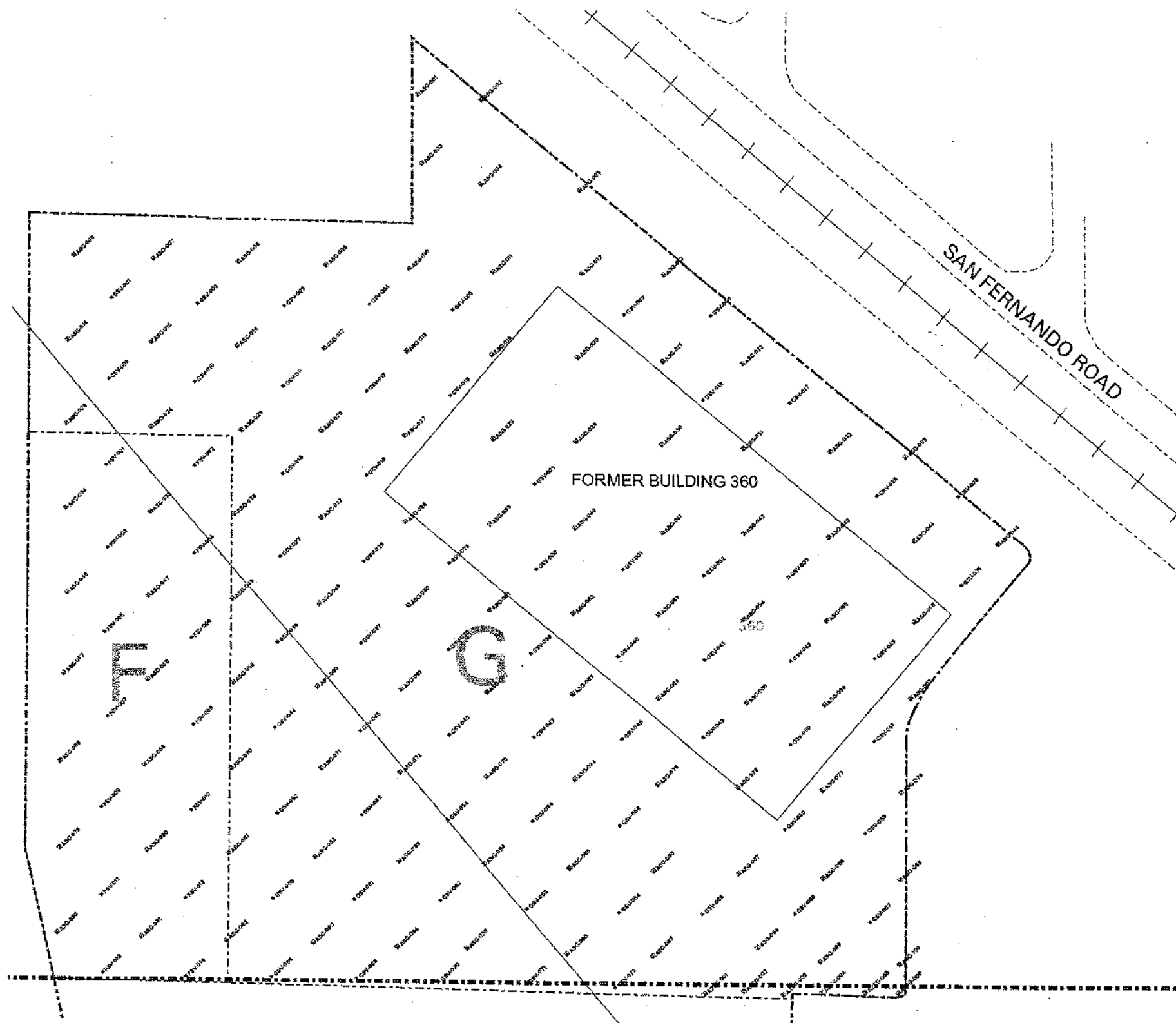
Rev

00

Drawn by: J.Cook

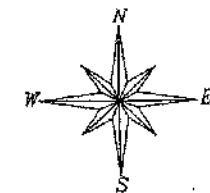
Checked by: LD Parker

**BGPAA 1027**



# LEGEND

- ◆ Soil Vapor Sample Locations
- Property Boundary
- Parcel Lines
- Streets
- Railroad
- City Boundary



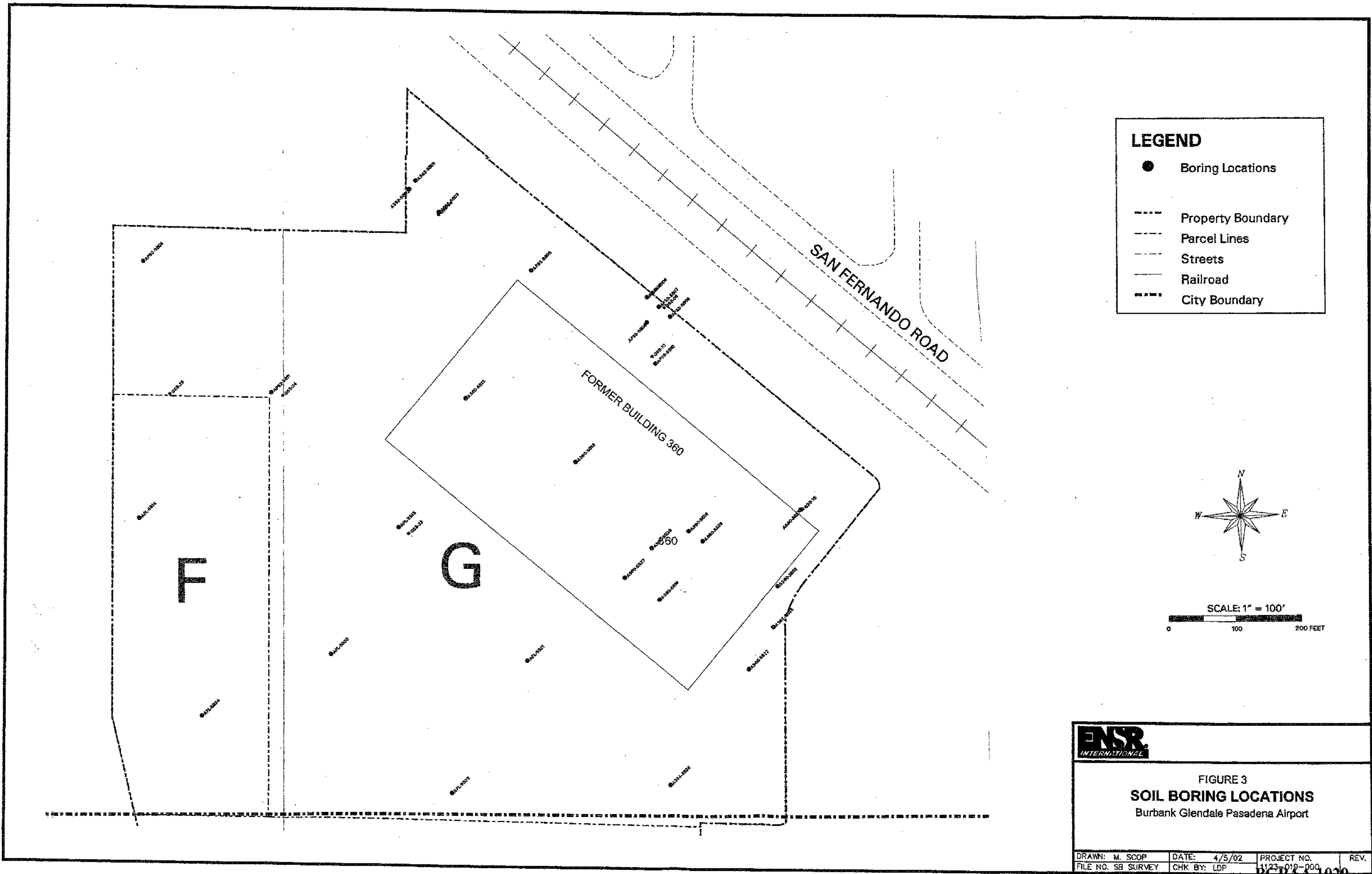
SCALE: 1" = 100'

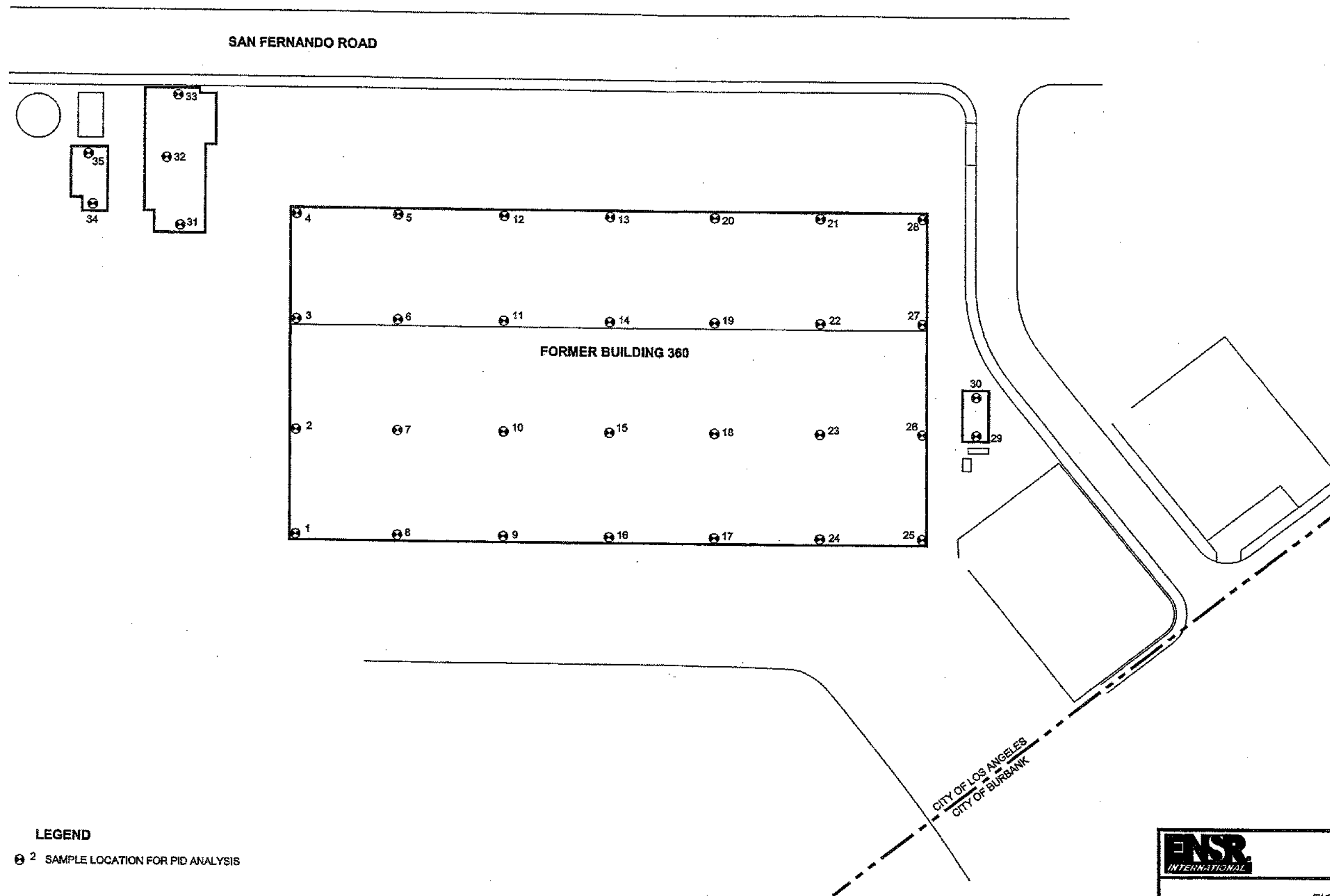
0 100 200 FEET



FIGURE 2  
SOIL VAPOR SURVEY LOCATIONS  
Burbank Glendale Pasadena Airport

DRAWN: M. SCOP	DATE: 4/5/02	PROJECT NO. 1123-019-000	REV.
FILE NO. SV SURVEY	CHK BY: LDP		





## **ATTACHMENT 1**

### **Regional Water Quality Control Board**

#### **No Further Requirements Letters**



# California Regional Water Quality Control Board

## Los Angeles Region

Winston H. Hickox  
Secretary for  
Environmental  
Protection

Over 50 Years Serving Coastal Los Angeles and Ventura Counties  
Recipient of the 2001 Environmental Leadership Award from Keep California Beautiful

320 W. 4th Street, Suite 200, Los Angeles, California 90013  
Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: <http://www.swrcb.ca.gov/rwqcb4>



Gray Davis  
Governor

*File*

December 19, 2001

Mr. Dan Feger  
Burbank-Glendale-Pasadena Airport Authority  
2627 Hollywood Way  
Burbank, CA 91505-1055

**NO FURTHER REQUIREMENTS (SOIL ONLY), BUILDING 360 COMPLEX, FORMER LOCKHEED MARTIN PLANT B-6, 2801 N. HOLLYWOOD WAY, BURBANK, CALIFORNIA (FILE NO. 104.0674)**

Dear Mr. Feger:

We have reviewed the *Environmental Monitoring Report, Former Plant B-6 - Building 360 Complex, Burbank, California* dated October 3, 2001. This report describes the results of sampling and visual inspection conducted during the demolition of the Building 360 Complex at the former Lockheed Plant B-6. The purpose of the monitoring was to document the environmental condition of the soil directly beneath building slabs and foundations as these features are demolished. This monitoring was conducted based on the *Foundation and Infrastructure Demolition Monitoring Plan, Plant B-6: Burbank, California* dated January 23, 1997 which was previously approved by Regional Board staff in a letter to Lockheed Martin dated March 13, 1997. The report also summarizes the results of a supplementary soil gas investigation. Based on the results of the demolition monitoring and supplementary soil gas survey, the Burbank-Glendale-Pasadena Airport Authority (BGPAA) requested closure of the Building 360 Complex.

### FINDINGS:

1. The Building 360 site consists of two parcels (Parcels F and G) at the northern section of the former Lockheed Plant B-6. Parcels F and G both add up to approximately 22 acres adjacent to the Burbank-Glendale-Pasadena Airport. Lockheed first used Parcels F and G during the early 1940's for parking and servicing aircraft. In 1957, Lockheed constructed Building 360 and other structures to support aircraft flight operations, testing and maintenance.
2. As part of the environmental site assessment, Lockheed subdivided Plant B-6 into 6 areas (Areas "A" through "F"). Parcels F and G were designated as Area "A". Between June 22, 1993 and July 6, 1993, a soil boring program was completed in Area "A" to document the presence or absence of contaminants beneath 18 potential source areas. These areas were identified based on site inspections and a review of previous investigation reports. A total of 270 soil samples were collected from 29 borings drilled to a maximum depth of 60 feet below ground surface (bgs) at potential source and non-point source areas. All samples were analyzed.

### California Environmental Protection Agency

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BGPAA 1032

Mr. Dan Feger  
Former Lockheed Plant B-6  
Building 360 NFR

- 2 -

December 19, 2001

for Total Recoverable Petroleum Hydrocarbons (TRPH) using EPA Method 418.1, volatile organic compounds (VOCs) using EPA Method 8240, polychlorinated biphenyls (PCBs) using EPA Method 8080, semi-VOCs using EPA Method 8270, and heavy metals using EPA Method 6000/7000 series. Samples from a former service station were also analyzed for Total Extractable Hydrocarbons (TEH) using EPA Method 8015 Modified.

Laboratory analyses detected contaminants with the following maximum concentrations: 1,081 mg/kg (2 feet bgs) of TRPH; 28 µg/kg of acetone; 82 µg/kg of methylene chloride; 12 µg/kg of naphthalene; 6 µg/kg of 1,2,4-trimethylbenzene; 9 mg/kg of TEH and 4.4 mg/kg of bis (2-ethylhexyl) phthalate. PCBs were not detected in any of the samples analyzed. The concentrations of heavy metals, including chromium (total), were below the Total Threshold Limit Concentration (TTLC) and the Soluble Threshold Limit Concentration (STLC) based on the California Code of Regulations Title 22 (CCR, Title 22). Chromium (total) was detected at a maximum concentration of 19.1 mg/kg (10 feet bgs in boring A360-SB13). In July 1996, TRPH and VOC impacted soil in the area of former boring SB28 was excavated to a maximum depth of 20 feet. TRPH, TEH and VOCs were not detected in confirmation samples.

3. Between March 3, 1993 and June 2, 1993, a total 96 soil vapor samples were collected at 6 feet bgs adjacent to potential source areas and on a 100-foot grid throughout Area "A". Low VOC concentrations (< 4 µg/L) were detected, including tetrachloroethene (PCE), trichloroethene (TCE) and 1,1,1-trichloroethane (1,1,1-TCA). VOC concentrations detected were below the Regional Board's VOC soil screening level of 116 µg/kg for groundwater protection.
4. Based on the investigation results, Regional Board staff issued *no further requirements* letters for Parcels F and G on July 26, 1996 and August 2, 1996, respectively.
5. In 1997, the ownership of the former Plant B-6 site was transferred to the BGPAA. During the same year, the BGPAA collected additional soil gas samples at depths of 10 and 20 feet bgs throughout the Building 360 area. Total VOCs detected ranged from non-detect to 52.3 µg/L (10 feet bgs).
6. Between April and September 2001, the BGPAA demolished all structures within the Building 360 Complex. Demolition activities included the removal of concrete slabs and foundations. The soil condition beneath the slabs and foundations were monitored for signs of contamination, such as staining, discoloration, odor or elevated photoionization detector (PID) readings. Based on a 100-foot grid, 35 soil samples were collected for headspace analysis approximately 1 foot below the slabs and foundations. Except for two samples, the majority of the samples had PID readings below the detection limit of 1 part per million (ppm). A maximum PID reading of 2 ppm was recorded. Organic vapors were not detected in ambient air samples.

#### California Environmental Protection Agency

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Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

BGPAA 1033

Mr. Dan Feger  
Former Lockheed Plant B-6  
Building 360 NFR

- 3 -

December 19, 2001

### Groundwater

1. Groundwater beneath the Building 360 area is approximately 273 feet bgs as measured in monitoring well 4948 on January 22, 2001. Based on water quality data from 1989 through 1997, heavy metals, including barium, lead, manganese and zinc have been detected at concentrations below the Maximum Contaminant Level (MCL) in monitoring wells 4948 and B6-CW17 located upgradient and downgradient, respectively from Building 360. Chromium (total) has not been detected in the above monitoring wells during the same monitoring period.
2. Elevated concentrations of VOCs (primarily PCE and TCE) have been detected in groundwater monitoring wells 4948 and B6-CW17. For example, PCE and TCE were detected at maximum concentrations of 710 µg/L and 140 µg/L, respectively in downgradient well B6-CW17. Under a Consent Decree with the U.S. Environmental Protection Agency, Lockheed Martin is extracting and treating VOC-polluted groundwater within the Burbank Operable Unit including the Plant B-6 area.

### CONCLUSIONS:

Based on the subject submittal and other information in our files, we have no further soil requirements with respect to the San Fernando Valley Cleanup Program. The concentrations of heavy metals detected in soil matrix samples were below the TTLC and the STLC criteria based on the CCR, Title 22. Based upon the above information, these contaminants remaining in the soil appear not to pose a significant threat to groundwater quality. Therefore, further soil assessment or cleanup is not required. Water quality data obtained from monitoring wells in the vicinity of Building 360 indicate that some heavy metals have been detected in the groundwater, including barium, lead, manganese and zinc. However, these contaminants were also found in a monitoring well upgradient from Building 360. Based upon current concentrations of heavy metals in the groundwater beneath the site, groundwater cleanup is not required. However, the Regional Board will consider groundwater cleanup for heavy metals in the future if new information is obtained, such as concentrations that exceed drinking water standards or heavy metal pollution that threatens drinking water wells or water quality of lower aquifers.

VOC and TRPH impacted soil detected in the former boring SB28, located in a former degreaser and spray booth, was excavated to a maximum depth of 20 feet. bgs. TRPH, TEH and VOCs were not detected in confirmation samples. VOC concentrations detected in soil and soil gas samples beneath the Building 360 area are below the Regional Board's VOC screening concentrations for groundwater protection. Currently, Lockheed Martin is extracting and treating VOC-polluted groundwater within the Burbank Operable Unit under a Consent Decree with the U.S. Environmental Protection Agency.

### *California Environmental Protection Agency*

\*\*\*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption\*\*\*  
\*\*\*For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.snrch.ca.gov/news/challenge.html>\*\*\*



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BGPAA 1034

Mr. Dan Feger  
Former Lockheed Plant B-6  
Building 360 NFR

- 4 -

December 19, 2001

The soil only *no further requirements* determination for Building 360 Complex does not affect the current or future requirements related to cleanup of polluted groundwater underlying the subject site. In addition, assessment or cleanup may be needed in the event that new information is obtained, such as previously undiscovered subsurface features or signs of soil contamination discovered during future site redevelopment activities. This Regional Board's "no further requirements" decision does not affect the jurisdictional requirements of other agencies, such as the U.S. Environmental Protection Agency. Such agencies may choose to make their own determinations regarding the site.

If you have any questions, please call Alex Carlos at (213) 576-6726.

Sincerely,



Dennis A. Dickerson  
Executive Officer

cc: Michael Lauffer, Office of the Chief Counsel, State Water Resources Control Board  
Robert Sams, Office of the Chief Counsel, State Water Resources Control Board  
Diane Strassmaier, U.S. EPA, Region IX  
Sayareh Amirebrahimi, Department of Toxic Substances Control, Glendale Regional Office  
Paul Lisak, L. A. County Fire Dept., Health Hazmat  
Mel Blevins, ULARA Watermaster  
Robert Ovrom, City of Burbank  
Bruce Feng, City of Burbank  
Roger Baker, City of Burbank  
Dennis Barlow, City of Burbank  
Devin Burns, City of Burbank  
Dan Feger, Burbank-Glendale-Pasadena Airport Authority  
David Parker, ENSR International

**California Environmental Protection Agency**

\*\*\*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption\*\*\*  
\*\*\*For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/nam/echallenge.html>\*\*\*



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BGPAA 1035

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION181 CENTRE PLAZA DRIVE  
MONTEREY PARK, CA 91754-2158  
(213) 244-7500  
FAX: (213) 244-7400

COPY

July 18, 1996

Ron N. Helgerson  
Lockheed Martin Corporation  
Burbank Program Office  
2550 North Hollywood Way, Suite 305  
Burbank, CA 91505-1055

L.E.S.A.T.

B.P.O.

DATE RECD. 7/19/96WBS# HelgersonCOPIES TO: Yucht  
Blackman  
Lorenzino, FilbeckNo Further Requirements, Parcels D and F, Lockheed Plant B-6 West,  
(File No. 104.0674) (Cleanup & Abatement Order No. 87-161)

We have reviewed your July 5, 1996, letter requesting closure for Parcels D and F of Plant B-6 as notated on the attached map. Upon review of the subject proposal and other information in our files, we have the following comments with respect to the Well Investigation Program:

## Parcel D

1. A total of 228 soil matrix samples were collected from 28 boreholes during assessment in this area. The highest TPH concentration detected was 3,680 mg/kg at 2' bgs. The only VOCs detected in these samples were acetone (maximum 40 ug/kg), MEK (maximum 12 ug/kg), toluene (maximum 21 ug/kg) and xylenes (maximum 23 ug/kg). No significant levels of PCB's, metals or other contaminants were detected.
2. A total of 104 soil gas locations were sampled in the subject parcel. Elevated concentrations of PCE (maximum 166 ug/l), TCE (maximum 4 ug/l), 1,1,1-TCA (maximum 5 ug/l) and methylene chloride (maximum 133 ug/l) were detected in shallow samples. The highest VOC concentration in samples collected at depth below the highest shallow VOC concentrations was approximately 7 ug/l at 20' bgs. Ground water is at approximately 250' bgs in this area.
3. The ground water monitoring well located on this property may be a key well in the network established by USEPA and may be needed to evaluate adjacent properties. One or more additional wells may be required in the future to accomplish these objectives if this well is destroyed for new construction.

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BGPAA 1036

Mr. Ron Helgerson  
Lockheed Martin Corp.  
Page 2

Parcel F

1. Acetone (maximum 16 ug/kg) was the only VOC detected above detection limits in the 28 soil matrix samples collected from 3 soil borings in this area. Total petroleum hydrocarbons (maximum of 252 mg/kg at 2' bgs) were detected in near surface samples. No other compounds were detected in any of the soil samples.
2. No VOCs were detected in any of the soil gas samples collected from eighteen locations during the initial soil gas investigation in this parcel.

Based on our inspections and information submitted, we have no further requirements with respect to the Well Investigation Program for the subject two parcels. The soil contamination detected on these parcels is not a threat to ground water quality and therefore cleanup is not necessary. This "no further requirements" determination for these two parcels does not affect requirements for assessment and cleanup on the other adjacent parcels covered by our Cleanup and Abatement Order No. 87-161. We have no information concerning other conditions that would adversely impact the value or usage of these properties. However, additional assessment or remediation may be needed depending on future use of these sites.

The jurisdictional requirements of other agencies, such as the U.S. Environmental Protection Agency, are not affected by this Board's "no further requirements" decision. Such agencies may choose to make their own determinations regarding the site.

We are pleased to release these two parcels from the obligations of the cleanup and abatement order. Your cooperation in completing the required work is appreciated. If you have any questions, please contact Alex Carlos at (213) 266-7583.

*Robert P. Ghirelli*

ROBERT P. GHIRELLI, D.Env.  
Executive Officer

cc: Mr. Jorge Leon, SWRCB, Office of the Chief Counsel  
Mr. David Seter, USEPA, Region IX  
Mr. Hamid Saebfar, CALEPA, DTSC, Region 3  
Mr. Josef Solares, Burbank Fire Department, UST Section  
Mr. Mel Blevins, ULARA Watermaster  
Mr. Tom Blackman, Lockheed Martin  
Mr. Bob Gilbert, Lockheed Martin  
Ms. Michelle Levesque, Lockheed Martin

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BGPAA 1037

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD E.S.A.T.  
LOS ANGELES REGION

131 CENTRE PLAZA DRIVE  
MONTREY PARK, CA 91754-2144  
(714) 244-7500  
FAX: (714) 244-7400

August 2, 1996

Ron N. Helgeson  
Lockhead Martin Corporation  
Burbank Program Office  
2550 North Hollywood Way, Suite 305  
Burbank, CA 91505-1055

DATE REC'D. 8/7/96

WBS # 2A

COPIES TO: H. O. ...  
M. ...  
R. ...

No Further Requirements, Parcel G, Lockheed Plant B-6 West  
(File No. 104.0674) (Cleanup & Abatement Order No. 87-151)

We have reviewed the July 26, 1996, letter requesting closure for Parcel G of Plant B-6 as notated on the map that accompanied the letter. Upon review of the subject proposal and other information in our files, we have the following comments with respect to the Well Investigation Program.

During multiple phases of assessment, a total of 242 soil matrix samples were collected and analyzed from 26 boreholes on this parcel. Laboratory analysis of these samples detected maximum concentrations of 1,081 mg/kg TRPH at 2' bgs, 28 ug/kg acetone, 82 ug/kg methylene chloride, 12 ug/kg naphthalene, 6 ug/kg 1,2,4-trimethylbenzene, and 4.4 mg/kg of bis(2-ethylhexyl)phthalate at 10' bgs. Supplemental sampling demonstrated that the extent of soil contamination is limited to small areas and shallow depths. Laboratory analysis of a total of 96 shallow (6' bgs) soil vapor samples detected only low concentrations of PCE (maximum 3.1 ug/L), TCE (maximum 1.3 ug/L) and 1,1,1-TCA (maximum 2.2 ug/L). Ground water is at approximately 220' bgs in this area.

Based on our inspections and information submitted, we have no further requirements with respect to the Well Investigation Program for the subject parcel. The soil contamination detected on this parcel is not a threat to ground water quality and therefore cleanup is not necessary. This "no further requirements" determination for this parcel does not affect requirements for assessment and cleanup on the other adjacent parcels covered by our Cleanup and Abatement Order No. 87-151. We have no information concerning other conditions that would adversely impact the value or usage of this property. However, additional assessment or remediation may be needed depending on future use of this site.

The jurisdictional requirements of other agencies, such as the U.S. Environmental Protection Agency, are not affected by this Board's "no further requirements" decision. Such agencies may choose to make their own determinations regarding the site.

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BGPAA 1038

Ron Helgersen  
Lockheed Martin Corp.  
Page 2

We are pleased to release this parcel from the obligations of the cleanup and abatement order. Your cooperation in completing the required work is appreciated. If you have any questions, please contact Alex Carlos at (213) 266-7583.

*Robert P. Ghirelli*

ROBERT P. GHIRELLI, D.Env.  
Executive Officer

cc: Jorge Leon, SWRCB, Office of the Chief Counsel  
David Seter, USEPA, Region IX  
Hamid Saebfar, CALEPA, DTSC, Region 3  
Josef Solares, Burbank Fire Department, UST Section  
Mel Blevins, ULARA Watermaster  
Tom Blackman, Lockheed Martin Corporation  
Bob Gilbert, Lockheed Martin Corporation  
Michella Levesque, Lockheed Martin Corporation

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LWL2 002319

BGPAA 1039